

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)			Docket Number (Optional) 08CN880		Application Number 09/683,114		
			Applicant(s) JOHN E. DAVIS, ET AL.				
			Filing Date NOVEMBER 20, 2001		Group Art Unit 1773		
U.S. PATENT DOCUMENTS							
EXAMINER INITIALS	REF SEARCH & TRADEMARK OFFICE	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	
Mr. H. B. Mayer		4,492,718	01/08/85	MAYER, ET AL.			
Mr. H. B. Mayer		4,584,259	04/22/86	MAYER, ET AL.			
FOREIGN PATENT DOCUMENTS							
REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER Mr. H. B. Mayer		DATE CONSIDERED 5/21/02					

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance. Not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

JAN 28 2002

ATTY DOCKET NO.
08CN-8803-5SERIAL NO.
09/683,114

JOHN E. DAVIS, et al.

FILING
11/20/01

GROUP JAN 31 2002

PATENT & TRADEMARK OFFICE
C-44

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
h	3,198,657	8/3/65	P.D. KIMBALL et al.	117	101	9/17/64
h	4,020,278	4/26/77	CARRE et al.	358	128	10/16/75
h	4,211,617	7/8/80	HUNYAR et al.	204	5	9/21/78
h	4,243,317	1/6/81	GARBE et al.	355	91	6/27/79
h	4,267,212	5/12/81	SAKAWAKI	427	240	9/19/79
h	4,363,844	12/14/82	LEWIS, et al.	428	65	9/20/80
h	4,451,507	5/29/84	BELTZ et al.	427	240	10/29/82
h	4,457,259	7/3/84	SAMUELS	118	705	3/14/83
h	4,514,583	04/1985	IZU et al.	136	259	
h	4,592,939	6/3/86	TEMPLE et al.	428	64	12/4/84
h	4,659,407	4/21/87	LACOTTE et al.	156	196	7/2/84

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
h	WO 00/21689	2/4/00	WORLD ORGANIZATION				✓
h	WO 00/00868	6/1/00	WORLD ORGANIZATION				✓

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	<i>h</i> <i>h</i>	DATE CONSIDERED
		5/19/02

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				ATTY DOCKET NO. 08CN-8803	SERIAL NO. 09/683,114		
JAN 28 2002				JOHN E. DAVIS, et al.			
				FILING 11/20/01	GROUP JAN 3, 2002		
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
145	P	4,673,602	6/16/87	NAKAYAMA et al.	428	65	6/5/85
	-	4,731,155	3/15/88	NAPOLI et al.	156	643	4/15/87
	-	4,810,527	3/7/89	GEARY, JR. et al.	427	54.1	9/18/87
	-	4,831,244	5/16/89	SLAFTER et al.	235	487	10/1/87
	-	4,975,327	12/4/90	SOMASIRI et al.	428	409	7/11/89
	P	4,987,020	01/1991	BONNEBAT et al.	428	64	
	-	5,078,947	1/7/92	NISHIZAWA et al.	264	1.1	9/28/89
	-	5,094,796	3/10/92	KATOH et al.	264	313	3/10/92
	-	5,094,884	3/10/92	HILLMAN et al.	427	240	4/24/90
	P	5,119,259	6/2/92	KIKUCHI	360	135	12/5/90
	-	5,188,863	2/23/93	de GRAAF et al.	427	512	12/18/90
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER	<i>John E. Davis</i>			DATE CONSIDERED <i>11/20/01</i>			

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

JAN 28 2002

ATTY DOCKET NO.
08CN-8803

SERIAL NO.
09/683,114

JOHN E. DAVIS, et al.

FILING
11/20/01

GROUP
3

PATENT & TRADEMARK OFFICE
JAN 28 2002

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
W	5,242,630	9/7/93	NUIJ et al.	264	1.3	2/18/92
—	5,335,526	8/9/94	GARRISON, deceased et al.	72	47	1/30/92
—	5,395,803	3/7/95	ADAMS	437	229	9/8/93
—	5,409,756	4/25/95	IKEDA et al.	428	64	9/11/92
—	5,427,599	6/27/95	GRESCHNER et al.	65	305	1/11/94
—	5,447,767	09/1995	TANABE et al.	428	64.4	
—	5,452,282	9/19/95	ABRAHAM	369	603	6/15/92
—	5,532,192	7/2/96	ADAMS	437	229	12/14/94
—	5,533,002	7/2/96	ABRAHAM	369	275.3	10/19/92
—	5,552,009	9/3/96	ZAGER et al.	156	220	4/10/95
—	5,626,886	5/6/97	ISHII	425	116	2/21/95

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

Wen Kerd

DATE CONSIDERED

5/18/02

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

JAN 28 2002
SJCATTY DOCKET NO.
08CN-8803SERIAL NO.
09/683,114

JOHN E. DAVIS, et al.

FILING

11/20/01

GROUP

JAN 3 2002
C-2002
600

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
P	5,772,905	6/30/98	CHOU	216	44	11/15/95
-	5,781,526	7/14/98	NISHIZAWA	369	275.3	2/14/97
-	5,838,654	11/17/98	KAGAWA et al.	369	275.1	5/5/97
-	5,967,030	10/19/99	BLALOCK	100	211	12/6/96
P	5,972,461	10/26/99	SANDSTROM	428	64.3	1/6/98
-	6,010,761	1/4/00	TATEWAKI et al.	428	64.1	8/27/98
-	6,062,133	5/16/00	BLALOCK	100	211	4/7/99
-	6,127,017	10/3/00	HIRATA et al.	428	64.1	4/30/98
P	6,136,401	10/24/00	YAMAMOTO et al.	428	64.1	01/20/00
P	6,156,422	12/5/00	WU et al.	428	332	11/10/98
-	6,165,391	12/26/00	VEDAMUTTU	264	1.33	1/23/97

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

Ken Best

DATE CONSIDERED

5/19/02

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

JAN 28 2002

ATTY DOCKET NO.
08CN-8803

SERIAL NO.
09/683,114

JOHN E. DAVIS, et al.

FILING

11/20/01

GROUP 3

JAN 3 1 2002
100

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JW	6,183,829	02/2001	DAECHER et al.	428	64.1	
-	6,191,053	2/20/01	CHUN et al.	438	780	6/10/98
P	6,194,045	2/27/01	ANNACONE et al.	428	64.1	11/22/95
-	6,200,633	3/13/01	KITANO et al.	427	240	8/9/99
-	6,225,240	5/1/01	YOU et al.	438	782	11/12/98
-	6,232,247	5/15/01	GORDON et al.	438	780	10/4/99
P	6,248,395	6/19/01	HOMOLA et al.	427	129	5/24/99
P	RE 36,806	08/2000	LANDIN et al.	428	64.1	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

Rein Brat

DATE CONSIDERED

5/19/02

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 08CN 8803-25	SERIAL NO. 09/683,114	
Information Disclosure Statement by Applicant (37 CFR 1.98(b))		Use several sheets if necessary		APPLICANT John E. Davis et al.	JAN 28 2002	
				FILING DATE 11/20/01	GROUP 1773	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,855,746	1/5/99	Prabhakara, et al.			
	5,814,400	9/29/98	Kirino, et al.			
	5,789,756	8/4/98	Guzik			
	5,729,393	3/17/98	Lee, et al.			
	5,689,480	11/18/97	Kino			
	5,666,237	9/9/97	Lewis (Abstract)			
	5,590,115	12/31/96	Kubo			
	5,585,159	12/17/96	Miyake, et al.			
	5,583,705	12/10/96	Ziperovich, et al. (Abstract)			
	5,537,034	7/16/96	Lewis (Abstract)			
	5,533,001	7/2/96	Watanabe, et al.			
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
	DOCUMENT NUMBER	PUBLICATION DATE*	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
	6-187683		Japan			
	6-4916		Japan			
	6-12715		Japan			
	6-4908		Japan			
	6-20316		Japan			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.**)						
		'Thermoplastic Composites Reinforced With Melt Processable Glass', R.T. Young and D.G. Baird (5 pages)				
		Philips Research - Digital Video Recorder, http://www.research.philips.com/pressmedia/highlights (2 pages)				
		Maxell Device: DVD-RAM, http://www.maxell.co.jp/eng/device/dvd-ram/profile.html (2 pages)				
		AV & Development Center, http://www.pioneer.co.jp/crdl/av.html (1 page)				
		Near Field Recording - NFR, http://www.nswc.navy.mil/cosip/nov98 (5 pages)				
		Technical Info, http://209.24.93.3/tech_info/backgrounder.html (3 pages)				
EXAMINER <i>John E. Davis</i>		DATE CONSIDERED <i>5/2/02</i>				
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						

(Form PTO-1449 (6-4))

* Use Publication date indicated on the patent or published application. 37 CFR 1.98(b).

** "The place or publication refers to the name of the journal, magazine or other publication in which the article was published...." Notice of January 9, 1992, 11 13 to 25, at 20.

Form PTO-1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 08CN 8803-25	SERIAL NO. 09/683,114
Information Disclosure Statement by Applicant (Use several sheets if necessary)		APPLICANT John E. Davis et al.	
(37 CFR 1.98(b)) JAN 28 2002	84	FILING DATE 11/20/01	GROUP 1773

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Thur</i>	5,515,346	5/7/96	Watanabe, et al.			
	5,493,454	2/20/96	Ziperovich, et al. (Abstract)			
	5,490,131	2/6/96	Ohta, et al.			
	5,489,774	2/6/96	Akamine, et al. (Abstract)			
	5,470,627	11/28/95	Lee, et al.			
	5,453,168	10/26/95	Nelson, et al.			
	5,392,263	2/21/95	Watanabe, et al.			
	5,379,439	1/3/95	Harrison, et al.			
	5,354,985	10/11/94	Quate (Abstract)			
	5,354,517	10/11/94	Yamasaki, et al.			
<u> </u>	5,311,376	5/10/94	Joan, et al.			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE*	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<i>Thur</i>	WO 8706385	10/22/87	World Organization (Abstract)				
	06309714JP A	11/04/94	Japan (Abstract)				
	06162583JP A	6/10/94	Japan (Abstract)				
	06158281JP A	6/07/94	Japan (Abstract)				
<u> </u>	06150419JP A	5/31/94	Japan (Abstract)				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.**)

<i>Thur</i>		Strategic Partners Home, http://209.24.93.3/partners/index.html (1 page)
		TeraStor, http://www.terastor.com/news/ (6 pages)
		The era of giant magnetoresistive heads, http://www.storage.ibm.com/hardsoft/diskdrvl/technolo/gmr/ (16 pages)
		Chp 3: Emerging Optical Storage Technologies, http://itri.loyola.edu/opts/c3_s5.htm (4 pgs.)
		Chp 3: Optical Storage in the Future, http://itri.loyola.edu/ (2 pages)
		Chp 3: Overview of Optical Storage Systems, http://itri.loyola.edu/ (4 pages)

EXAMINER <i>Thur</i>	<i>Reed</i>	DATE CONSIDERED <i>8/24/02</i>
-------------------------	-------------	-----------------------------------

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

* Use Publication date indicated on the patent or published application. 37 CFR 1.98(b).

** The place or publication refers to the name of the journal, magazine or other publication in which the article was published...." Notice of January 9, 1992, 11:13 to 25, at 20.

Form PTO-1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 08CN 8803-25	SERIAL NO. 09/683,114
Information Disclosure Statement by Applicant (37 CFR 1.98(b))		JAN 28 2002 CAB 88		APPLICANT John E. Davis et al	JAN 3 2002 16 00
				FILING DATE 11/20/01	GROUP 1773

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>haw</i>	5,309,303	5/3/94	Hsia, et al.			
	5,296,528	3/22/94	Lütjens, et al.			
	5,242,761	9/7/93	Uchiyama (Abstract)			
	5,230,025	7/20/93	Fishbine, et al.			
	5,202,880	4/13/93	Lee, et al.			
	5,199,090	3/30/93	Bell			
	5,193,039	3/9/93	Smith, et al. (Abstract)			
	5,191,563	3/2/93	Lee, et al. (Abstract)			
	5,178,926	1/12/93	Tanaka, et al.			
	5,177,656	1/5/93	Hughes			
	5,171,585	12/15/92	Onisawa, et al.			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
	DOCUMENT NUMBER	PUBLICATION DATE*	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
<i>haw</i>	06119668JP A	4/28/94	Japan (Abstract)			
	06004908JP A	1/14/94	Japan (Abstract)			
	06004916JP A	1/14/94	Japan (Abstract)			
	06187683JP A	7/08/94	Japan (Abstract)			
	06020316JP A	1/28/94	Japan (Abstract)			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.**)		
<i>haw</i>		Chp 3: Comparison of Japanese and U.S. R&D, http://itri.loyola.edu/ (1 page)
		"Learning and Process Improvement during Production Ramp-Up", Christian Terwiesch and Roger E. Bohn, The Wharton School, University of California San Diego, August 6, 1998 (33 pages)
		"Magnetic Storage Research Aiming at High Areal Densities", R&D Magazine, Dec. 1998 (6 pages)
		The WTEC High Density Data Storage Study, http://itri.loyola.edu/ (2 pages)
		"Characterization of Magnetizing Process for Pre-Embossed Servo Pattern of Plastic Hard Disks", Shoji Tanaka et al., IEEE Transactions on Magnetics, Vol.30, No. 6, Nov. 1994 (3 pages)
		Dispersed Concentration, David McKendrick, Report 98-03, November, 1998, http://www-irps.ucsd.edu/~sloan/papers (16 pages)
EXAMINER	<i>haw</i>	DATE CONSIDERED <i>8/9/02</i>

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

* Use Publication date indicated on the patent or published application. 37 CFR 1.98(b).

** The place or publication refers to the name of the journal, magazine or other publication in which the article was published...." Notice of January 9, 1992, 11 13 to 25, at 20.

Form PTO-1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 08CN 8803-25	SERIAL NO. 09/683,114	
Information Disclosure Statement by Applicant (37 cfr 1.98(b))		JAN 28 2002 (Use several sheets if necessary)		APPLICANT John E. Davis et al	JAN 3 2002 GROUP 1773	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,161,134	11/3/92	Lee (Abstract)			
	5,159,511	10/27/92	Das (Abstract)			
	5,143,797	10/1/92	Hashima, et al.			
	5,137,991	8/11/92	Epstein, et al.			
	5,118,771	6/2/92	Inoue, et al.			
	5,112,701	5/12/92	Katsuragawa			
	5,112,662	5/12/92	Ng (Abstract)			
	5,109,377	4/28/92	Yamamoto, et al.			
	5,106,553	4/21/92	Onisawa, et al.			
	5,100,741	3/31/92	Shimoda, et al.			
	5,097,370	3/17/92	Hsia			
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
	DOCUMENT NUMBER	PUBLICATION DATE*	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
	06012715JP A	1/21/94	Japan (Abstract)			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.**)						
		Proposal to the Alfred P. Sloan Foundation from The Graduate School of International Relations and Pacific Studies and The Center For Magnetic Recording Research, Feb. 19, 1998, http://www-irps.ucse.edu/~sloan/papers/sloanprop98.html (27 pages)				
		"Use of high performance resins for the planarization of magnetic rigid disk substrates", IEEE Transactions on Magnetics (Nov. 1991), vol.27, no.6, pt.2, p.5175-7 (Abstract) (1 page)				
		"Planarizing coating using PMR polyimides (magnetic recording discs), IBM Technical Disclosure Bulletin (Oct. 1982) vol.25, no.5, p.2453-4 (Abstract)				
		"Nanoimprint lithography", Stephen Y. Chou et al., 1996 American Vacuum Society p.4129-4133				
		"Imprint of sub-25 nm vias and trenches in polymers", Stephen Y. Chou et al., 1995 American Institute of Physics, p.3114-3116				
		"Nano-compact disks with 400 Gbit/in ² storage density fabricated using nanoimprint lithography and read with proximal probe", Peter R. Krauss et al, 1997 American Institute of Physics, p. 3174-3176				
EXAMINER		DATE CONSIDERED 5/9/02				

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

* Use Publication date indicated on the patent or published application. 37 CFR 1.98(b).

** The place or publication refers to the name of the journal, magazine or other publication in which the article was published....* Notice of January 9, 1992, 11 13 to 25, at 20.

Form PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR 1.98(b)) JAN 28 2002				ATTY. DOCKET NO. 08C 8803-25	SERIAL NO. 09/683,114		
				APPLICANT John E. Davis et al			
				FILING DATE 11/20/01	GROUP 1773		
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>JW/S</i>		5,094,925	Ise, et al.				
		5,093,174	Suzuki, et al.				
		5,087,340	Onagi, et al.				
		5,063,096	Kohara, et al.				
		5,059,473	Takahashi, et al.				
		5,018,128	Goldberg				
		5,014,259	Goldberg, et al.				
		5,002,706	Yamashita				
		4,999,234	Cowan				
		4,986,938	Izuka, et al.				
		4,983,335	Matsuo, et al.				
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
	DOCUMENT NUMBER	PUBLICATION DATE*	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.**)							
		"Patterned Media: A Viable Route to 50 Gbit/in ² and up for Magnetic Recording?", Robert J. White et al., IEEE Transactions on Magnetics, vol. 33, no. 1, Jan. 1997, p.990-995					
		DATA Storage on December 02, 1999, Article Date: September, 1998, "Patterned media: 200 Gb/in ² or bust" (10 pages)					
		DATA Storage on December 06, 1999, Article Date: September, 1997, "Patterned media promise superhigh storage densities" (10 pages)					
		"Recording Characteristics of Submicron Discrete Magnetic Tracks", S.E. Lambert et al., 1987 IEE, pages 3690-3692					
		"Direct nanoimprint of submicron organic light-emitting structures", Jian Wang et al, 1999 Appl. Phys. Lett., Vol. 75, No. 18, 1 November 1999, pages 2767-2769					
		"Lithographically induced self-construction of polymer microstructures for resistless patterning", Stephen Y. Chou et al., Appl. Phys. Lett., Vol. 75, No. 7, August 1999, p 1004-1005					
EXAMINER <i>JW/S</i>		DATE CONSIDERED <i>8/26/01</i>					
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

(Form PTO-1449 (6-4))

* Use Publication date indicated on the patent or published application. 37 CFR 1.98(b).

** The place or publication refers to the name of the journal, magazine or other publication in which the article was published.... * Notice of January 9, 1992, 11 13 to 25, at 20.

Form PTO-1449 (Modified)		U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 08CN 6303-25	SERIAL NO. 09/683,114	
Information Disclosure Statement by Applicant <i>Initial if citation considered</i> (37 cfr 1.98(b)) JAN 28 2002 <i>(Use several sheets if necessary)</i>				APPLICANT John E. Davis et al		
				FILING DATE 11/20/01	GROUP 1773	
U. S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	
	4,965,780	10/23/90	Lee, et al. (Abstract)			
	4,923,942	5/8/90	Takeyama, et al.			
	4,911,966	3/27/90	Murayama, et al.			
	4,908,826	3/13/90	Hertrich (Abstract)			
	4,902,746	2/20/90	Serini, et al.			
	4,893,910	1/16/90	Birecki			
	4,885,649	12/5/89	Das (Abstract)			
	4,845,142	7/4/89	Niwano, et al.			
	4,841,501	6/20/89	Izuka, et al.			
	4,809,110	2/28/89	Hertrich (Abstract)			
	4,741,689	5/3/88	Onizawa, et al.			
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
	DOCUMENT NUMBER	PUBLICATION DATE*	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.**)						
		DATA Storage on December 02, 1999, Article Date: May, 1999, "Patterned media: Giant step in magnetic storage" (7 pages)				
		DATA Storage on December 02, 1999, Article Date: January, 1999, "Magnetic Recording: the next 100 years" (10 pages)				
		"Architecture of TeraStor's Near Field Recording Technology, http://209.24.93.3/tech_info , (8 pages)				
		"Facts About Near Field Recording", http://www.basis-gmbh.de , (2 pages)				
		"US HDD Makers Turn to 10-Gbit/Inch ² Near Field Record", http://www.nikkeibp.com , (8 pages)				
		"Facts About Near Field Recording", http://209.24.93.3/tech_info , (3 pages)				
EXAMINER <i>Initial</i>			DATE CONSIDERED <i>S/19/02</i>			

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

* Use Publication date indicated on the patent or published application. 37 CFR 1.98(b).

** "The place or publication refers to the name of the journal, magazine or other publication in which the article was published...." Notice of January 9, 1992, 11
13 to 25, at 20.

Form PTO-1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 08CN 8830-25	SERIAL NO. 09/683,114	
Information Disclosure Statement by Applicant (Use several sheets if necessary)		O P E R A T I O N S C E N T E R		APPLICANT John E. Davis et al		
(37 CFR 1.98(b)) JAN 28 2002				FILING DATE 11/20/01	GROUP 1773	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,726,998	2/23/88	Ikenaga, et al.			
	4,719,171	1/12/88	Ikenaga, et al.			
	4,658,392	4/14/87	Langowski, et al.			
	4,656,546	4/7/87	Mallory (Abstract)			
	4,622,284	11/11/86	West, et al. (Abstract)			
	4,596,740	6/24/86	Tsukane			
	4,596,739	6/24/86	Piltingsrud, et al.			
	4,569,871	2/11/86	Ohmori, et al.			
	4,503,420	3/5/85	Rub, et al. (Abstract)			
	4,441,179	4/3/84	Slater			
	4,415,942	11/15/83	Frosch, et al.			
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
	DOCUMENT NUMBER	PUBLICATION DATE*	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES <input type="checkbox"/> NO <input type="checkbox"/>
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.**)						
EXAMINER <i>John E. Davis</i>	DATE CONSIDERED <i>5/19/02</i>					

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 (6-4))

* Use Publication date indicated on the patent or published application. 37 CFR 1.98(b).

** "The place or publication refers to the name of the journal, magazine or other publication in which the article was published...." Notice of January 9, 1992, 11
13 to 25, at 20.

Form PTO-1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 08CN 8303-25	SERIAL NO. 09/683,114	
Information Disclosure Statement by Applicant (Use several sheets if necessary)				APPLICANT John E. Davis et al		
(37 CFR 1.98(b))		JAN 28 2002 U.S. PATENT AND TRADEMARK OFFICE RECEIVED		FILING DATE 11/20/01	GROUP 1773	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Reed</i>	4,515,828	5/07/85	Economy (Abstract)			
	5,723,033	3/03/98	Weiss			
	5,907,448	5/25/99	Watanabe, et al.			
	4,877,666	10/31/89	Muchnik, et al. (Abstract)			
	4,896,292	1/23/90	Eich, et al. (Abstract)			
	4,911,967	3/27/90	Lazzari (Abstract)			
	4,964,934	10/23/90	Gregg (Abstract)			
	4,975,358	12/04/90	Sonnenschein, et al. (Abstract)			
	5,018,962	5/28/91	Kitamura, et al. (Abstract)			
	5,068,065	11/26/91	Maus, et al. (Abstract)			
	5,096,563	3/17/92	Yoshizawa, et al. (Abstract)			
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
	DOCUMENT NUMBER	PUBLICATION DATE*	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.**)						
EXAMINER <i>Reed</i>		DATE CONSIDERED <i>5/28/02</i>				

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 (6-4))

* Use Publication date indicated on the patent or published application. 37 CFR 1.98(b).

** The place or publication refers to the name of the journal, magazine or other publication in which the article was published...." Notice of January 9, 1992, 11
13 to 25, at 20.

Form PTO-1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 08CN 8203-25	SERIAL NO. 09/683,114
Information Disclosure Statement by Applicant (37 CFR 1.98(b))		APPLICANT John E. Davis et al.	
		FILING DATE 11/20/01	GROUP 1773

JAN 28 2002

CA 8

CPE

1/14/02

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
1449	5,120,603	6/09/92	Schmidt (Abstract)			
	5,164,465	11/17/92	Epstein, et al. (Abstract)			
	5,267,112	11/30/93	Batra, et al. (Abstract)			
	5,276,098	1/04/94	Kohara, et al. (Abstract)			
	5,582,891	12/10/96	Murakami, et al. (Abstract)			
	5,585,989	12/17/96	Kuromiya, et al. (Abstract)			
	5,669,995	9/23/97	Hong (Abstract)			
	5,751,452	5/12/98	Tanaka, et al. (Abstract)			
	5,804,017	9/08/98	Hector (Abstract)			
	5,807,498	9/15/98	Gibbons, et al. (Abstract)			
	5,808,830	9/15/98	Stefansky, et al. (Abstract)			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE*	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.**)

EXAMINER

1449

DATE CONSIDERED

5/19/02

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 (6-4))

* Use Publication date indicated on the patent or published application. 37 CFR 1.98(b).

** The place or publication refers to the name of the journal, magazine or other publication in which the article was published...." Notice of January 9, 1992, 11-13 to 25, at 20.

Form PTO-1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 08CN 8803--25	SERIAL NO. 09/683,114	
Information Disclosure Statement by Applicant (37 cfr 1.98(b))		Use several sheets if necessary		APPLICANT John E. Davis et al	JAN 3 2002	
		JAN 28 2002 RE 814		FILING DATE 11/20/01	GROUP 1773	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>RE</i>	5,820,769	10/13/98	Chou (Abstract)			
	5,846,627	12/08/98	Hong (Abstract)			
	5,859,833	1/12/99	Chaterjee, et al. (Abstract)			
	RE 34,506	1/11/94	Dobbin, et al. (Abstract)			
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
	DOCUMENT NUMBER	PUBLICATION DATE*	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.**)						
EXAMINER	<i>John Reed</i>		DATE CONSIDERED <i>3/29/02</i>			

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 (6-4))

* Use Publication date indicated on the patent or published application. 37 CFR 1.98(b).

** The place or publication refers to the name of the journal, magazine or other publication in which the article was published....* Notice of January 9, 1992, 11
13 to 25, at 20.